

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Currently Amended)

A flexible unbonded pipe for a dynamic pressurized fluid-transfer hose comprising from the inside to the outside,

an inner polymer sheath;

at least two crossed armor plies, each comprised of at least one wound reinforcing wire comprising a wire or strand, and at least one flexible adjacent layer into which at least one wound reinforcing wire is able to penetrate at least partially, and the at least two plies being wound helically at opposing lay angles A and B, the lay angles A and B are not equal, each lay angle being close to a 55° equilibrium angle, the lay angles having a mean centered on a value close to the equilibrium angle value, and

an outer polymer sheath;

the pipe further including an anticreep layer arranged around the inner sheath and comprised of at least one winding with contiguous edges, the winding being of a strip with high mechanical properties, and at least one flexible adjacent layer into which at least one wound reinforcing wire is able to penetrate at least partially, the at least one wound reinforcing wire comprising a round wire or strand.

Claim 2 (Original)

The pipe as claimed in claim 1, wherein the difference in the angles A and B is between 4° and 10°.

Claim 3 (Canceled)

Claim 4 (Previously Presented)

4. The pipe as claimed in claim 1, wherein the flexible layer is made from a natural or synthetic elastomer material.

Claim 5 (Canceled)

Claim 6 (Previously Presented)

The pipe as claimed in claim 1, wherein the flexible layer of the inner ply is placed under the wire winding that is able to penetrate, and the flexible layer of the outer ply is placed over the wire winding that is able to penetrate.

Claim 7 (Original)

The pipe as claimed in claim 1, wherein the anticreep layer comprises one or more windings of an elongate element with high mechanical properties, at a short pitch and an angle of approximately 70°.

Claim 8 (Original)

The pipe as claimed in claim 7, wherein the windings of the anticreep layer are provided under the armor ply.

Claim 9 (Previously Presented)

The pipe as claimed in claim 7, wherein the windings of the anticreep layer are comprised of aramid fiber.

Claim 10 (Original)

The pipe as claimed in claim 1, including only two of the crossed armor plies.

Claim 11 (Original)

The pipe as claimed in claim 10, wherein the lay angle A of a lower one of the plies is greater than the lay angle B of an upper one of the plies.

Claim 12 (Previously Presented)

The pipe as claimed in claim 1, including a first pair of the armor plies at the lay angles A and B, and at least one other ply.

Claim 13 (Previously Presented)

The pipe as claimed in claim 12, wherein the lay angle of one of the at least one other armor ply is substantially equal to one of the lay angles A or B of the first pair of armor plies.

Claim 14 (Original)

A mud hose for rotary drilling, comprising a pipe as claimed in claim 1.

Claim 15 (Original)

The pipe as claimed in claim 1, wherein the difference in the angles A and B is between 6° and 8° .

Claim 16 (Original)

The pipe as claimed in claim 1, including a first pair of the armor plies at the lay angles A and B, and another pair of alternate or imbricated crossed armor plies.

Claim 17 (Previously Presented)

The pipe as claimed in claim 16, wherein the lay angles of the another pair of alternate or imbricated crossed armor plies are substantially equal to the lay angles A and B of the first pair of armor plies.

Claim 18 (Currently Amended)

A flexible unbonded pipe for a dynamic pressurized fluid-transfer hose comprising from the inside to the outside,

an inner polymer sheath,

at least two crossed armor plies, each comprised of wire, and the at least two plies being wound helically at opposing lay angles A and B, the lay angles A and B are not equal, each lay angle being close to a 55° equilibrium angle, the lay angles having a mean centered on a value close to the equilibrium angle value, and

an outer polymer sheath;

the pipe further including an anticreep layer arranged around the inner sheath and comprised of at least one winding with contiguous edges, the winding being of a strip with high mechanical properties and said strip being woven of very strong fibers.